

Serial No. 10/725,513
Art Unit 2618

REMARKS

Claims 1-2, 9-11, and 16 have been cancelled. Claims 3 and 8 have been rewritten as independent claims including the limitations of the claims on which they were previously dependent and any intervening claims. Independent claims 3, 8, and 12, and dependent claims 4-7 and 13-15 remain in the application.

In addition, claims 3, 12, and 15 have been amended to more clearly defined the p-channel single transistor transconductor and the n-channel single transistor transconductor. Claims 4, 5, 8, 13, and 15 have been amended to correct antecedence problems with respect to the terms "body effect", "floating voltage source", and "flicker noise". Claims 4 and 13 have been amended to clarify that the body-effect refers to the p-channel and n-channel transconductors. Claims 6, 8, and 14 have been amended to refer to the RF transconductance amplifier rather than the RF transconductance stage and the RF transconductor, in order to use consistent terminology for the sake of antecedence. Claim 3 has been amended to use the word "comprises" rather than "consists" when listing elements of the RF transconductance amplifier, consistent with the description of the elements of the RF transconductance amplifier of claim 12. No new subject matter has been added to the application.

The Examiner has rejected claim 1 under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,232,848 issued to Manku. Claim 1 has been cancelled.

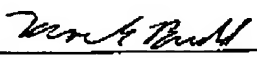
The Examiner has rejected claims 9, 10, and 16, presumably on the same grounds. These claims have been cancelled.

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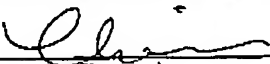
The Examiner has rejected claims 2 and 11 under 35 U.S.C. 103(a) as being unpatentable over Manku in view of U.S. Patent 6,813,485 issued to Sorrels. Claims 2 and 11 have been cancelled.

In view of the foregoing, it is believed that the claims as amended herein are in condition for allowance. Reconsideration and action to this end is respectfully requested.

Respectfully submitted,


S. Mark Budd
Registration No. 53,880
Agent of Record

MARKS & CLERK
P.O. Box 957, Station B
Ottawa, ON K1P 5S7 (613)236-9561

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)			Docket No. 15624-US
Applicant(s): Farsheed MAHMOUDI, et al.			
Serial No. 10/725,513	Filing Date 3 December 2003	Examiner Richard CHAN	Group Art Unit 2618
Invention: LOW VOLTAGE LOW POWER HIGH-LINEARITY ACTIVE CMOS MIXER			
<p>I hereby certify that this <u>response to the Official Action mailed April 6, 2006</u> (Identify type of correspondence)</p> <p>is being facsimile transmitted to the United States Patent and Trademarks Office (Fax No. <u>571-273-8300</u>)</p> <p>on <u>June 2, 2006</u> (Date)</p> <p style="text-align: right;">Carolynn Irvin (Typed or Printed Name of Person Signing Certificate)</p> <p style="text-align: right;"> (Signature)</p> <p style="text-align: center;">Note: Each paper must have its own certification of mailing.</p>			

P18/REV01